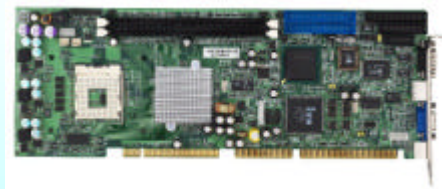


IP-4GVP20

Socket 478 PICMG Card for Pentium® 4 / Celeron® (Prescott™ Core) Processor with VGA / LAN / Audio (Optional)

Key-point:

- > Socket 478 for Intel® Pentium® 4 / Celeron® (Prescott™ core) processor, up to 2.8GHz
- > Intel® 845GV chipsets, 400 / 533 MHz FSB
- > Chipset integrated VGA function
- > Support 10 / 100 Base-TX Ethernet
- > Optional IP-ALCS20 audio card
- > 4 x USB2.0 ports, 2 x COM ports
- > WatchDog timer & Hardware monitoring function



Preliminary Specifications:

Processor:

- * Support socket 478 Intel® Pentium® 4 / Celeron® (Prescott™ core) CPU
- * Up to 2.8GHz

Core Logic:

- * Intel® 845GV + ICH4 chipsets

BIOS:

- * Award BIOS

Front Side Bus Speed:

- * 400 / 533 MHz

Memory:

- * Two 184-pins DIMM, support DDR266 / 333 DRAM, up to 2GB (max)

Onboard VGA Controller:

- * Intel® 845GV chipset integrated VGA function

LAN Controller:

- * Intel® 82562ET LAN controller, for 10 / 100 Base-TX Ethernet

Onboard IDE:

- * Two EIDE channels for PIO mode, DMA mode
- * Support four ATA-100 / 66 / 33 IDE devices

Multi I/O:

Onboard Winbond® 83627HF chip, support:

- * 1 x IrDA by 5-pins pin-header
- * 1 x Floppy port by pin-header
- * 1 x SPP / EPP / ECP parallel port by pin-header
- * COM1 for RS-232
- * COM2 for RS-232 or RS-422 / 485 (jumper selectable)

Keyboard / Mouse Connector:

- * 6-pins mini DIN for PS/2 type for keyboard / mouse
- * 1 x 5-pins header connector for external keyboard

Audio:

- * AC97 Audio pin-header (audio card with bracket by optional)

USB:

- * Onboard 4 x USB2.0 ports by pin-header (cable by optional)

WatchDog Timer:

- * 256 Levels software programmable

Hardware Monitoring:

- * Winbond® W83627HF chip, monitoring for CPU and system temperature, voltage and fan speed

Environments:

- * Operation temperature: 0°C to 60°C (32°F to 140°F)
- * Storage temperature: -20°C to 80°C (-68°F to 176°F)
- * Relative humidity: 10% to 90% (Non-Condensing)

Certification:

- * CE, FCC pre-scan approval

Others features:

- * ITE® 8888 PCI to ISA bridge
- * Support ISA High-Drive

Form Factor:

- * Full Size, PICMG compliance

Dimensions (L x W):

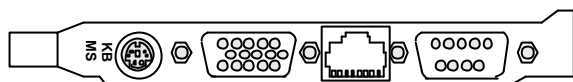
- * 13.3" x 4.8" (338mm x 122mm)

*Specification is subject to change without prior notice

Ordering Information:

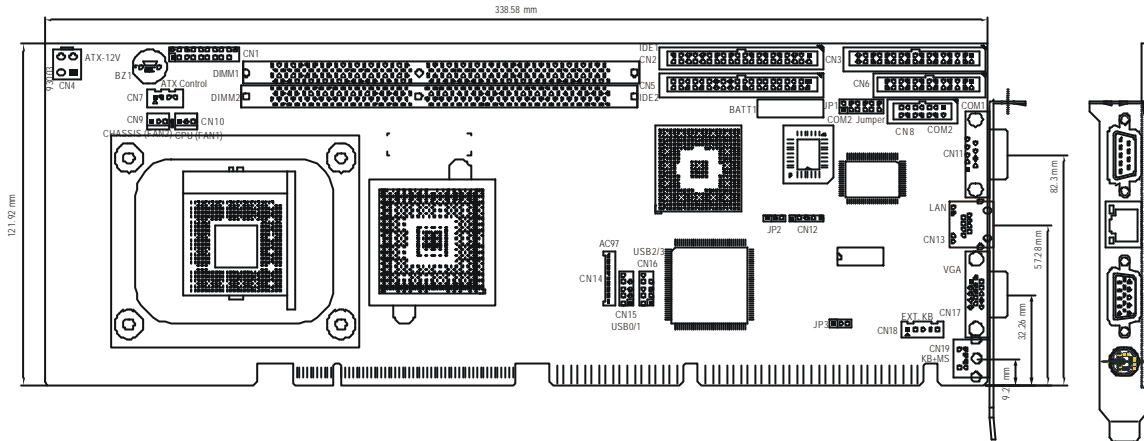
Model No.	Position	Support LCD	Support VGA	Support SCSI	Support LAN	Support Audio
IP-4GVP20	Standard Product	---	Yes	---	Yes	Optional IP-ALCS20

I/O Bracket Layout



IP-4GVP20

Mechanical Drawing:



Block Diagram:

